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🔍 Title: **JP61096659A2: SEPARATOR FOR SEALED LEAD-ACID BATTERY**

🔍 Country: **JP Japan**

🔍 Kind: **A**

🔍 Inventor: **SUNAKAWA SATOMI;
KOBAYASHI YOSHIHIRO;**

🔍 Assignee: **MATSUSHITA ELECTRIC IND CO LTD**
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🔍 Published / Filed: **1986-05-15 / 1984-10-17**

🔍 Application Number: **JP1984000217652**

🔍 IPC Code: **H01M 2/18;**

🔍 Priority Number: **1984-10-17 JP1984000217652**

🔍 Abstract:

PURPOSE: To obtain a separator for a battery having long charge-discharge cycle life by folding a felt-like nonwoven fabric mainly comprising acid resistant thermoplastic synthetic resin fibers having a dimension capable of wrapping an electrode, and heat-bonding its facing right and left ends to form a bag.

CONSTITUTION: A felt-like nonwoven fabric comprising, for example, 10wt% acrylic fiber for giving mechanical strength, 5wt% acrylic resin for binder, 70wt% polypropylene fine fiber which serves as acid resistant thermoplastic resin, and 15wt% glass fiber having a diameter of 3μm or less is used as separator material. The nonwoven fabric separator 4 having a dimension capable of wrapping an electrode is fold in a U-shape, and facing right and left ends are bonded by ultrasonic welding to form a bag. By using a bag-shaped separator, short caused by protrusion of active material is prevented, and a sealed lead-acid battery having long life is obtained.

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🔍 Other Abstract Info: **DERABS C86-164765 DERC86-164765**



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